

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)	
TAKEAKI ITSUJI, ET AL.)	Examiner: Unassigned
Application No.: 10/596,825)	Group Art Unit: Unassigned
Filed: June 26, 2006)	
For:)	
SENSOR FOR ANALYZING OR	:	
IDENTIFYING PROPERTY OF	:	
OBJECT, SENSING APPARATUS :	:	
USING SAME, AND SENSING	:	
METHOD	:	June 30, 2006

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. Copies of the listed documents, other than U.S. patent documents, are also enclosed.

REMARKS

The following documents were cited in an International Search Report of the international application (PCT/JP2005/020050) corresponding to the subject application:

- (1) US 2002/0068018 A1;
- (2) US 2004/0058339 A1;
- (3) Nagel, et al., "Three dimensional polymer...";

- (4) JP-A 2001-074647 & Patent Abstracts of Japan;
- (5) DE 102 57 225 B3;
- (6) US 6,573,737 B1;
- (7) Torosyan, et al. "Application of narrowband...";
- (8) Nagel, et al., "Integrated Planar...";
- (9) Nagel, et al., "A functionalized THz sensor...";
- (10) Stewing, et al., "A new class of improved-efficiency..."; and
- (11) Baras, et al., "On-chip THz detection...".

The International Search Report is dated December 22, 2005. A copy of the International Search Report was filed in this application on June 26, 2006.

Documents (1), (2) (3), and (4) were cited in a Written Opinion of the international application corresponding to the subject application. The Written Opinion is dated December 22, 2005. A copy of the Written Opinion was filed in this application on June 26, 2006.

Applicants respectfully submit that U.S. Patent No. 6,777,244 B2 corresponds to Document (1).

FORMAL MATTERS

No fee is believed due; however, if any fee is due, it should be charged to Deposit Account No. 06-1205.

CONCLUSION

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our address given below.

Respectfully submitted,

/Daniel S. Glueck/
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FORM PTO 1448 (modified)				ATTY DOCKET NO. 03500.119202		APPLICATION NO. 10/596,825	
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE				APPLICANT TAKEAKI ITSUJI, ET AL.			
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				FILING DATE June 26, 2006		GROUP Unassigned	
Date Submitted: June 30, 2006							
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	2002/068018 A1	06/06/2002	Pepper, et al.	422	82.05		
	2004/058339 A1	03/25/2004	Nagel, et al.	435	6		
	6,573,737 B1	06/03/2003	Lyon, et al.	324	753		
	6,777,244 B2	08/17/2004	Pepper, et al.	436	165		
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
	2001-074647 A	03/23/2001	Japan			See A below	
	DE 102 57 225	04/08/2004	Germany			No	
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)							
	Nagel, et al., "Three-Dimensional Polymer/Metal-Based Resonators for THz-Biosensing," <i>Infrared and Millimeter Waves, 2004 and 12th International Conference on Terahertz Electronics, 2004, Conference Digest of The 2004 Joint 29th International Conference</i> , pp. 819-820 (September 27, 2004).						
	Nagel, et al., "Integrated Planar Terahertz Resonators for Femtomolar Sensitivity Label-Free Detection DNA Hybridization," <i>Applied Optics, OSA, Optical Society of America, Vol. 41, No. 10, pp. 2074-2078 (April 1, 2002).</i>						
	Baras, et al., "On-Chip THz Detection of Biomaterials: A Numerical Study," <i>Journal of Biological Physics, Vol. 29, No. 2-3, pp. 187-194 (2003).</i>						
	Stewing, et al., "A New Class of Improved-Efficiency THz Filters for On-Chip Detection of Biomaterials," <i>Microwave and Optical Technology Letters, Wiley USA, Vol. 41, No. 2, pp. 79-82 (April 20, 2004).</i>						
	Nagel, et al., "A Functionalized THz Sensor for Marker-Free DNA Analysis," <i>Physics in Medicine and Biology IOP Publishing UK, Vol. 48, No. 2, pp. 3625-3636 (November 21, 2003).</i>						
	Torosyan, et al., "Application of Narrowband Tunable THz-Radiation for Biomedical Sensing," <i>Annual Meeting of the IEEE Laser & Electro-Optics Society, Vol. 1 of 2, pp. 343-344 (November 11, 2002).</i>						
	A	Patent Abstracts of Japan, Vol. 2000, No. 20, July 10, 2001 (JP-A 2001-074647, March 23, 2001).					
	December 22, 2005 International Search Report in PCT/JP2005/020050						
	December 22, 2005 Written Opinion in PCT/JP2005/020050						
EXAMINER				DATE CONSIDERED			

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 1